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TITLE: BRUSHLESS SYNCHRONOUS MACHINE

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ABSTRACT:

CHG DATE=19941022 STATUS=O>In a brushless synchronous machine, e.g. a synchronous generator, with an exciting machine (2), the field excitation winding (9) of which is powered via a regulator (11) connected to a separate auxiliary winding (A, B, C, D, E) in the stator of the main machine, according to the invention the auxiliary winding (A, B, C, D, E) has a number of strands which differs from the ordinal number of the most strongly marked harmonic wave in the event of a short circuit. In the case of a strongly marked third harmonic wave, the auxiliary winding has four or five strands.